Reviewer JC Crowther
Date 11/8/85

(Form)/Permit # 2425
Company Name KWB OIL PROP MGT. INC.,
Well # (b) (9)
Locati

TECHNICAL REVIEW

Type Injection Well: (EOR/(SWD)/HC Storage) (New/(Conversion)) ((Active)/Inactive)

Injection: (Continuous/Cyclic)

Approximate # days operating/year
Rate (B/D): Average Maximum 50
Wellhead pressure (psi): Average Maximum 0
Fluid: TDS Sp. Gr. 1.1(EST) Analyses included: (yes/no)
Source (formation name)

Geologic Data (all references to depths are below land surface)

Base of Historical Usable Water: 100 ft (BASED ON WATER WELL DATA 1.5 MILES TO THE NW)
Base of USDW and how determined: 157 ft. (BASED ON WELL LOG (# G1-25) SW/4))
Injection Interval: Top 1489 ft ; Bottom 1544 ft; Effective Thickness
Formation name BARTLESVILLE Lithology SAND
Porosity (%) Initial Reservoir Pressure Date
Permeability (md)
Confining Zones: Thickness between injection zone and USDW
Lithology
Cumulative shale : thickest shale zone (interval)

Well Data: (all references to depths are below land surface)

Surface Elevation: 1073 ft (KB/GL) Total (Depth/Plugged Back Depth) 1550 ft.
Date Drilled or to be drilled: 2/16/29 Date converted: 2/17/29
Type logs available on (this well/offset well): (By reference/included)

Test data: (By reference/included)

Construction:	Size (in)	Depth Interval	Sacks of Cement	Hole Size	Cement Interval	How Determined
40 lb/ft. – Surface Csg.	10.00"	0-53'	0			
Intermediate Csg.	—	—	—	—	—	—
– Long String Csg.	6.72"	0-1,243'	0			
20 lb/ft. / Liner	5.50"	1217-1544'				
Tubing	2.38"		Packer type and depth			1,028 ft

17 lb/ft

AOR (1/4 mile radius)

Map submitted: (yes/no) Tabulation of Wells Submitted: (yes/no)
Faults Located: (yes/no); (none Present/Distance from injection well)
Number of wells in AOR:
Total (Abandon ; Production ; Injection)
Number of wells in zone of Endangering Influence: Total
Number of wells Requiring Corrective Action: Total (list below)

Well	Type Well	Problem	Corrective Action Required

Maximum Injection Pressure Calculation Pm = (Frac Gradient - (0.433 X Sp.Gr.)) depth

Pm = (0.75 - (0.433 X 1.1(EST))) X ~~1,489~~ 1489 = ~~407~~ 407 (psi)

Technical Review (Passed/(Failed)

REPORTS A 5.5" LINEAR BUT DOESN'T SAY WHETHER IT WAS CEMENTED.